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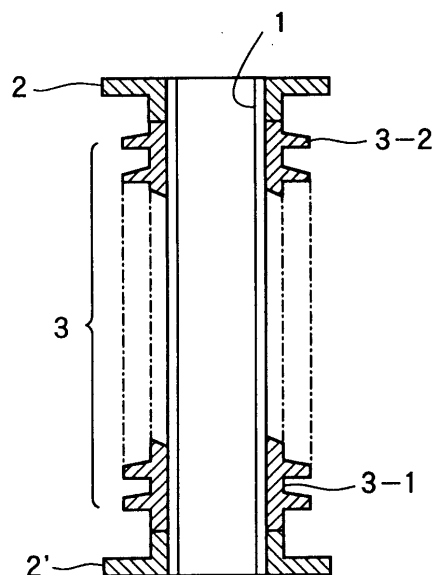
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(54) **Organic composite insulator and method of producing the same**

(57) An organic composite insulator (tube) and method for production thereof giving an external flashover characteristic, enabling a reduction of the cost, and enabling a reduction of the size of the insulator. The outside diameters of the insulator sheath body and watersheds at only the intermediate insulator sheath 3c corresponding to the vicinity of the tip 6a of the top of the inside electrode 6 are made larger than the outside diameters of the body and watersheds of the upper and lower insulator sheaths 3a and 3b. The electric field of the sheath surface in the vicinity of the tip 6a of the top of the inside electrode 6 exhibiting the maximum electric field in the large size insulator is weakened and the maximum electric field part is moved to the top portion of the sheath body and watersheds enlarged in inside diameter. Further, the insulator act to block the propagation of the air dielectric breakdown occurring at the maximum electric field part to the ground side end fitting 2' and thereby to increase the external flashover voltage.

FIG.1





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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000 (2000-02-29) & JP 11 312426 A (NGK INSULATORS LTD), 9 November 1999 (1999-11-09) * abstract *		H01B17/32
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) & JP 09 251816 A (NGK INSULATORS LTD), 22 September 1997 (1997-09-22) * abstract *		
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
			H01B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 November 2002	Examiner Demolder, J
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 01 12 7672

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JP 11312426	A	09-11-1999	NONE	
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82